



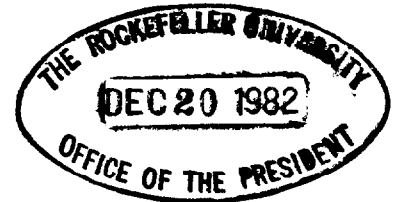
The Center for Strategic and International Studies

Georgetown University / 1800 K Street Northwest / Washington DC 20006 / Telephone 202 / 887-0200

Cable Address: CENSTRAT

TWX: 7108229583

December 13, 1982



Dr. Joshua Lederberg
President
Rockefeller University
1230 York Avenue
New York, N.Y. 10021

Dear Josh:

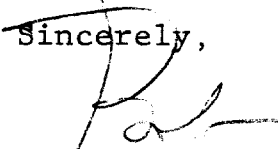
It is regrettable that you could not attend the meeting of the Science and Technology Panel last week; your participation was missed. The group did make, however, an exciting and promising beginning for our work in the coming year. I enclose the agenda, list of participants, the new Panel membership list, and an executive summary of the meeting to bring you up to date. Joining us this year on the Panel are Representatives Albert Gore and Cooper Evans, Joseph Califano, Robert Frosch from General Motors, John Welch from the Vought Corporation and Philip Geyelin, a syndicated columnist.

To highlight briefly, Don Kerr is organizing an implementation effort to follow up the very strong recommendations in the initial report. This implementation effort will involve working seminars, breakfasts and other direct contact mechanisms to reach legislators and their aides on the legislative, regulatory and attitudinal priorities in science and technology before the nation.

The Panel is developing subpanels to focus on three topics of particular concern: transfers of technology both at home and abroad; uses of technology to cope with crisis; and the creation, retention and improved utilization of technical manpower resources. Wes Posvar has agreed to chair the manpower subpanel and Jim Woolsey the crisis subpanel. We do not yet have a confirmed chairman for the technology transfer subpanel but intend that he will come from the industrial sector.

Most specifically, I would like to confirm your choice of subpanel or subpanels so that I may forward your name to the chairmen; conversely, if you would prefer to remain a member-at-large, I would like to know that as well. ✓

Sincerely,


Robert H. Kupperman

RHK:1hp
Enclosure



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AGENDA

CSIS PANEL ON SCIENCE AND TECHNOLOGY

November 30, 1982

- 9:30 Chairman's Remarks - Frederick Seitz, Rockefeller University
Welcome and Introduction
- 9:45 Implementation Group Discussion - Donald Kerr, Los Alamos
- 10:00 Technology Transfer Subpanel Issues
Presentations: Jack Welch, Vought Corporation
Len Weiss, Senator Glenn's Office

Points for Discussion:

- Extent of Soviet dependence on Western technology
- Extent of U.S. technology lead/lag vis-a-vis Western Europe and Japan
- Criteria to differentiate between protectionism and national security
- Opportunity costs of failure to exploit or capitalize on existing technology
- Measuring the impact of technology controls on future domestic productivity
- Domestic constraints on technology transfer -- patent and proprietary issues, anti-trust concerns, internal corporate inertia, multinational structures
- Improved development, movement, deployment of new technology: Can the U.S. find better, faster ways to "get ahead and stay there"?

- 11:00 Crisis Avoidance, Management, and Disengagement
Subpanel Issues

Presentations: Thomas Moorer, CSIS
James Woolsey, CSIS

Points for Discussion:

- Classification of crises: major political/military confrontations in which the U.S. has a direct or indirect interest; slowly developing versus fast developing crises (e.g., stresses on economic infrastructure, natural disaster, military confrontation)

- Role of high technology in crisis avoidance
- Capability of technology to cope with real time, potential (nuclear) emergencies
- Rigidities in command-control-communications-intelligence systems which inhibit reflective or inter-active decisionmaking (escalation automatism)
- What technology transfers are appropriate in dealing with crisis avoidance (ranging from joint war gaming to ABM designs) and which have the highest payoffs
- Vulnerability of U.S./Nato mobilization base to limited warfare attacks including terrorism
- Role of technology in disengagement procedures
- Costs and vulnerabilities of reversing mobilization actions. Use of high technologies (e.g. robotics) to influence the physical and managerial problems of military/political disengagement
- Role of media in crisis promotion and excitation

12:00

Lunch

Luncheon Guest: Jay Keyworth, Presidential Science Adviser

1:30

Technical Manpower Subpanel Issues

Presentation: Wesley Posvar, University of Pittsburgh
Robert Frosch, General Motors
Cooper Evans, Congressman (Iowa)

Points for Discussion:

- Status of current and future technical manpower needs
- Is that manpower efficiently employed between the various demands of industry, university and government
- Techniques to encourage cooperation between industry and academia
- Encouragement of basic research as a logical manpower investment (tax incentives, IR&D policies)
- Incentives to attract primary and secondary school students into the hard sciences and career patterns for their retention in the discipline

2:45

Closing Remarks and Future Plans - Robert Kupperman, CSIS



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Participants

Science and Technology Meeting

November 30, 1982

Joseph Califano
Elizabeth Corcoran
Rep. Cooper Evans
Robert Frosch
Philip Geyelin
John Harriman
Thomas Hoivik
Ben Huberman
Amos Jordan
Ervin Kapos
Don Kerr
Jay Keyworth
Ed Knapp
Robert Kupperman
Ted Lewis

Dominic Monetta
Thomas Moorer
James McDivitt
Glenn McWright
Wesley Posvar
Harry Reynolds
Brent Scowcroft
Frederick Seitz
David Shore
Debra van Opstal
Leonard Weiss
Jack Welch
David Williamson, Jr.
James Woolsey
Adam Yarmolinsky